

## Publications for Peter Kim

### 2018

Jenner, A., Yun, C., Kim, P., Coster, A. (2018). Mathematical Modelling of the Interaction Between Cancer Cells and an Oncolytic Virus: Insights into the Effects of Treatment Protocols. *Bulletin of Mathematical Biology*, 80(6), 1615-1629. <a href="http://dx.doi.org/10.1007/s11538-018-0424-4">[More Information]</a>

Jenner, A., Yun, C., Yoon, A., Kim, P., Coster, A. (2018). Modelling heterogeneity in viral-tumour dynamics: The effects of gene-attenuation on viral characteristics. *Journal of Theoretical Biology*, 454(October 2018), 41-52. <a href="http://dx.doi.org/10.1016/j.jtbi.2018.05.030">[More Information]</a>

Chan, M., Kim, P., Marangell, R. (2018). Stability of travelling waves in a Wolbachia invasion. *Discrete and Continuous Dynamical Systems - Series B*, 23(2), 609-628. <a href="http://dx.doi.org/10.3934/dcdsb.2018036">[More Information]</a>

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Lee, J., Adler, F., Kim, P. (2017). A Mathematical Model for the Macrophage Response to Respiratory Viral Infection in Normal and Asthmatic Conditions. *Bulletin of Mathematical Biology*, 79(9), 1979-1998. <a href="http://dx.doi.org/10.1007/s11538-017-0315-0">[More Information]</a>

Frascoli, F., Flood, E., Kim, P. (2017). A model of the effects of cancer cell motility and cellular adhesion properties on tumour-immune dynamics. *Mathematical Medicine and Biology*, 34(2), 215-240. <a href="http://dx.doi.org/10.1093/imammb/dqw004">[More Information]</a>

Loo, S., Hawkes, K., Kim, P. (2017). Evolution of male strategies with sex-ratio-dependent pay-offs: connecting pair bonds with grandmothering. *Philosophical Transactions of the Royal Society B*, 372(1729), 1-8. <a href="http://dx.doi.org/10.1098/rstb.2017.0041">[More Information]</a>

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Gevertz, J., Kim, P., Wares, J. (2017). Mentoring Undergraduate Interdisciplinary Mathematics Research Students: Junior Faculty Experiences. *PRIMUS*, 27(3), 352-369. <a href="http://dx.doi.org/10.1080/10511970.2016.1191571">[More Information]</a>

Chan, M., Hawkes, K., Kim, P. (2017). Modelling the evolution of traits in a two-sex population, with an application to grandmothering. *Bulletin of Mathematical Biology*, 79(9), 2132-2148. <a href="http://dx.doi.org/10.1007/s11538-017-0323-0">[More Information]</a>

Peacock, A., Cheung, A., Kim, P., Poon, S. (2017). Socialising health burden through different network topologies: A simulation study. *Studies in Health Technology and Informatics*, 239, 112-118. <a href="http://dx.doi.org/10.1007/s11538-017-0323-0">[More Information]</a>

<a href="http://dx.doi.org/10.3233/978-1-61499-783-2-112">[More Information]</a>

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Koop, J., Kim, P., Knutie, S., Adler, F., Clayton, D. (2016). An introduced parasitic fly may lead to local extinction of Darwin's finch populations. *Journal of Applied Ecology*, 53(2), 511-518. <a href="http://dx.doi.org/10.1111/1365-2664.12575">[More Information]</a>

Ortiz, A., Carnathan, D., Yu, J., Sheehan, K., Kim, P., Reynaldi, A., Vanderford, T., Klatt, N., Brechley, J., Davenport, M., et al (2016). Analysis of the In Vivo Turnover of CD4+ T-Cell Subsets in Chronically SIV-Infected Sooty Mangabeys. *PLoS One*, 11(5), 1-9. <a href="http://dx.doi.org/10.1371/journal.pone.0156352">[More Information]</a>

Chan, M., Hawkes, K., Kim, P. (2016). Evolution of longevity, age at last birth and sexual conflict with grandmothering. *Journal of Theoretical Biology*, 393, 145-157. <a href="http://dx.doi.org/10.1016/j.jtbi.2015.12.014">[More Information]</a>

Sweatman, W., Mercer, G., Boland, J., Cusimano, N., Greenwood, A., Harley, K., van Heijster, P., Kim, P., Maisano, J., Nelson, M., et al (2016). Seaweed cultivation and the remediation of by-products from ethanol production: a glorious green growth. *ANZIAM Journal*, 56, M1-M29. <a href="http://dx.doi.org/10.21914/anziamj.v56i0.9402">[More Information]</a>

### 2015

Coxworth, J., Kim, P., McQueen, J., Hawkes, K. (2015). Grandmothering life histories and human pair bonding. *Proceedings of the National Academy of Sciences of the United States of America*, 112(38), 11806-11811. <a href="http://dx.doi.org/10.1073/pnas.1599993112">[More Information]</a>

Chan, M., Shine, R., Brown, G., Kim, P. (2015). Mathematical modelling of spatial sorting and evolution in a host-parasite system. *Journal of Theoretical Biology*, 380, 530-541. <a href="http://dx.doi.org/10.1016/j.jtbi.2015.06.027">[More Information]</a>

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(Eds.), *Mathematical Models of Tumor-Immune System Dynamics*, (pp. 21-46). New York: Springer Science+Business Media. <a href="http://dx.doi.org/10.1007/978-1-4939-1793-8\_2">[More Information]</a>

Frascoli, F., Kim, P., Hughes, B., Landman, K. (2014). A dynamical model of tumour immunotherapy. *Mathematical Biosciences*, 253, 50-62. <a href="http://dx.doi.org/10.1016/j.mbs.2014.04.003">[More Information]</a>

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